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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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of

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**Complete if Known**

Application Number	0/078,531
Filing Date	February 21, 2002
First Named Inventor	Denis Martin et al.
Group Art Unit	1645
Examiner Name	Khatol S. Shahnan Shah
Attorney Docket Number	PHARMA-0018

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
LCSS		WO	02/092818		Institut Pasteur			
LCSS		WO	02/066176		Shire			
LCSS		WO	01/32882		Microbial Technics			
LC		WO	03/093306		Chiron/TIGR			

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
LCSS		Analysis of Gene Expression in <i>Streptococcus pyogenes</i> by Quantitative Polymerase Chain Reaction; Leslie Croy, Stephen Olmsted, 2002 General Meeting (5/19/2002 - 5/23/2002) American Society for Microbiology	
LCSS		Utilization of Human Antibodies to Open Reading Frame Proteins for Evaluating Opsonophagocytic Activity Against <i>Streptococcus pyogenes</i> ; Eliszabeth Anderson et al., 2002 General Meeting (5/19/2002 - 5/23/2002) American Society for Microbiology	
LC		Reid et al., "Postgenomic analysis of 4 novel antigens of group A streptococcus", Journal of Bacteriology, Vol. 184, No. 22, pp. 6316-6324, Nov. 2002	
LC		Virtaneva et al., "GAS Gene Expression in Humans and Cynomolgus Macaques with Acute Pharyngitis", Infection and Immunity, Vol. 71, No. 4, pp. 2219-2207, April 2003	

Examiner  
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Considered

5/16/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/078,531
Filing Date	02/21/01
First Named Inventor	Martin et al.
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	PHARMA-18

Sheet 1 of 1

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
lek	AA	SHARMA A. ET AL "Cloning, Expression, and Sequencing of a Cell Surface Antigen Containing a Leucine-Rich Repeat Motif from <i>Bacteroides forsythus</i> ATCC 43037" <u>Infection and Immunity</u> , Vol. 66, No. 12, Dec. 1998, p. 5703-5710.	
ker	AB	SÁNCHEZ-BEATO A.R. ET AL "Molecular characterization of PcpA: a novel choline-binding protein of <i>Streptococcus pneumoniae</i> " <u>FEMS Microbiology Letters</u> 164 (1998) 207-214.	
kn	AC	REID S.D. ET AL "Multilocus analysis of extracellular putative virulence proteins made by group A <i>Streptococcus</i> : Population genetics human serologic response, and gene transcription" <u>PNAS</u> , Vol. 98, no. 13, June 19, 2001 p.7552-7557	
fl	AD	FERRETTI J.J. ET AL "Complete genome sequence of an M1 strain of <i>Streptococcus pyogenes</i> " <u>PNAS</u> , Vol. 98, no. 8, April 10, 2001 p. 4658-4663	
km	AE	JANULCZYK R. AND RASMUSSEN M. "Improved Pattern for Genome-Based Screening Identifies Novel Cell Wall-Attached Proteins in Gram-Positive Bacteria" <u>Infection and Immunity</u> , June 2001, p. 4019-4026, Vol. 69, No. 6.	
kn	AF	REID S.D. ET AL "Group A <i>Streptococcus</i> : allelic variation, population genetics, and host-pathogen interactions" <u>The Journal of Clinical Investigation</u> , Feb. 2001, Vol. 107, No. 4, p. 393-399.	
kn	AG	REID S.D. ET AL., ASM 101st General Meeting, Orlando, Florida, Session 130/D. Abstract D-155, May 22, 2001.	
lv	AH	SMOOT J. C., ET AL., "Genome sequence and comparative microarray analysis of serotype M18 group A <i>Streptococcus</i> strains associated with acute rheumatic fever outbreaks." April 2, 2002, <u>PNAS</u> Vol. 99, No.7, p4668-4673 + supplementary material	

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Examiner Signature

*[Handwritten Signature]*

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12/18/03

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